

## Message

---

**From:** Fennessy, Christopher [christopher.fennessy@Rocket.com]  
**Sent:** 7/24/2015 10:37:46 PM  
**To:** Ross, Steve@DTSC (Steve.Ross@dtsc.ca.gov) [Steve.Ross@dtsc.ca.gov]; MacDonald, Alex@Waterboards (Alex.MacDonald@waterboards.ca.gov) [Alex.MacDonald@waterboards.ca.gov]; Keller, Lynn [Keller.Lynn@epa.gov]  
**Subject:** Remedial Action Objectives for Area 40  
**Attachments:** Fig 1 LUP and Receptors.pdf

Hi Everyone – I know you are diligently reviewing the Area 40 HHERA...or at the least, it is on your desk in the way of other more important documents (although I can't possibly imagine what those more important documents would be =)). While you are performing your review, we are diligently working on the initial portions of the Area 40 FS. The first step was to develop the draft Remedial Action Objectives. The following is our first cut. Please review and let us know what you think. I have attached a map showing the future use and the anticipated receptors for each area. Thanks! Chris

### Groundwater

1. Reduce the loading of COCs to groundwater that prevent groundwater concentrations from attenuating
2. Reduce the flux of COCs in groundwater beyond Prairie City Road
3. Prevent the migration of COCs in groundwater at concentrations that pose a threat to human health and the environment south into the future planned residential development
4. Prevent modification of groundwater flow conditions, including extraction and recharge except for the purpose of remedial action

### Current Land Use

1. Prevent exposure to non-VOCs in soil at concentrations that pose an unacceptable risk to ecological receptors
2. Prevent exposure to VOCs in soil vapor and groundwater at concentrations that pose an unacceptable risk to ecological receptors.

### Future Land Use

1. Open Space Area
  - a. Prevent exposure to non-VOCs in soil at concentrations that pose an unacceptable risk to ecological receptors.
  - b. Reduce exposure to VOCs in soil vapor at concentrations that pose an unacceptable risk to ecological receptors
2. Recreational Area
  - a. Prevent exposure to non-VOCs in soil at concentrations that pose an unacceptable risk to future recreational users, recreational workers, and construction worker
  - b. Prevent exposure to VOCs in soil vapor and groundwater at concentrations that pose an unacceptable ambient air risk to future recreational users, recreational workers, and construction workers
  - c. Prevent exposure to VOCs in soil vapor and groundwater at concentrations that pose an unacceptable indoor air risk to future recreational workers
  - d. Prevent exposure to COCs in groundwater at concentrations that pose an unacceptable risk to future construction workers.
3. Mixed use Area (residential and commercial uses)
  - a. Prevent exposure to COCs that pose an unacceptable risk to human health

**Christopher M. Fennessy, P.E.**

**Aerojet Rocketdyne, Inc.**

Engineering Manager, Site Remediation

11260 Pyrites Way, Suite 125

Rancho Cordova, CA 95670

Ph: 916-355-3341

Fax: 916-355-6145

Email: [Christopher.Fennessy@Rocket.com](mailto:Christopher.Fennessy@Rocket.com)